

ABSTRACT OF THE DISCLOSURE

A liquid crystal device is provided including an exit side substrate portion, an entrance side substrate portion opposed to the exit side substrate portion, and a liquid crystal layer placed between the exit side substrate portion and the entrance side substrate portion. The exit side substrate portion includes an exit side substrate on which a first electrode for driving the liquid crystal layer is formed, and an exit side cover arranged on the exit side with respect to the exit side substrate. The entrance side substrate portion includes an entrance side substrate on which a second electrode for driving the liquid crystal layer is formed, and an entrance side cover arranged on the entrance side with respect to the entrance side substrate. The absolute value of the coefficient of thermal expansion of the exit side cover is less than $37 \times 10^{-7}/^{\circ}\text{C}$, and more preferably not more than $10 \times 10^{-7}/^{\circ}\text{C}$. The absolute value of the coefficient of thermal expansion of the entrance side cover is less than $37 \times 10^{-7}/^{\circ}\text{C}$, and more preferably not more than $10 \times 10^{-7}/^{\circ}\text{C}$.